

Comparisons of Job Characteristics

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.7	21.4	>>	Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	12.7	15.3	>	Current knowledge level is likely sufficient
Transportation	4.6	11.5	12.4	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	10.9	13.9	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	12.3	11.5	0	Current skill level may be sufficient
Operation and Control	5.4	11.2	10.3	0	Current skill level may be sufficient
Troubleshooting	4.5	9.3	11.6	>	Skill level is likely sufficient
Equipment Maintenance	3.5	8.7	11.6	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	8.7	10.6	>	Skill level is likely sufficient
Repairing	3.4	8.7	10.8	>	Skill level is likely sufficient
Equipment Selection	3.3	7.2	8.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 52

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Far Vision	7.8	15.7	7.9	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	12.5	6.6	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.9	9.2	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	9.4	6.1	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	9.2	3.2	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	8.9	3.5	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.1	4.0	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	6.4	2.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Inspect machinery or equipment to determine adjustments or repairs needed	42
Maintain or repair ship/boat engine, machinery or equipment	89
Maintain records, reports, or files	5
Perform safety inspections in transportation setting	62
Stand watch on vessel	92
Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use two-way radio or mobile phone	42
Use weighing or measuring devices in transportation	82

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Ship Engineers (53-5031)

Associated Occupation: Sailors and Marine Oilers (53-5011)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.